

I Claim  
CLAIMS

a

1 An avian reovirus belonging to an antigenic class of avian reoviruses, ~~characterised in~~  
 a ~~that the avian reovirus belonging to the antigenic class is able to induce antiserum in~~  
 5 an animal, which antiserum causes a reduction of the plaques formed by avian  
 reovirus ERS, a sample of which is deposited at the ECACC under accession no.  
 99011475, of at least 75% in a plaque reduction assay.

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a 2 ~~The~~ <sup>wherein</sup> An avian reovirus according to claim 1, ~~characterised in that~~ the induced antiserum  
 against the avian reovirus is able to cause a reduction of the plaques formed by avian  
 reovirus ERS, a sample of which is deposited at the ECACC under accession no.  
 a 99011475, of at least 80 %, ~~preferably at least 90%~~, in a plaque reduction assay.

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a 3 ~~The~~ <sup>which</sup> An avian reovirus according to claim 1, ~~or 2, characterised in that the avian reovirus~~  
 positively reacts with polyclonal avian reovirus antiserum but not with monoclonal  
 a antibodies samples of which are deposited at the ECACC under accession ~~no.~~ <sup>nos.</sup>  
 99011472, 99011473 and 99011474.

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a 4 ~~The~~ <sup>which</sup> An avian reovirus according to claim 3, ~~characterised in that~~ it is avian reovirus ERS,  
 a sample of which is deposited at the ECACC under accession no. 99011475.

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~~Sub. A & B~~  
 a 5 A vaccine ~~for use in the protection of poultry against disease conditions resulting from~~  
 a ~~an avian reovirus infection~~, comprising an avian reovirus according to ~~claims 1-4~~ <sup>claim 1</sup>, and  
 a pharmaceutical acceptable carrier or diluent.

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a 6 ~~The~~ <sup>which</sup> A vaccine according to claim 5, ~~characterised in that the avian reovirus~~ is in a live  
 attenuated form.

a 7 ~~The~~ <sup>which</sup> A vaccine according to claim 5, ~~characterised in that the avian reovirus~~ is in an  
 inactivated form.

a 8 <sup>The</sup> A vaccine according to claims 5-7, <sup>claim 5, which</sup> characterised in that the vaccine further comprises an adjuvant.

a 9 <sup>The</sup> A vaccine according to claims ~~5-8~~, <sup>claim 5, which</sup> characterised in that the vaccine further comprises one or more vaccine components of other pathogens infectious to poultry.

a 10 A method for the preparation of avian reoviruses <sup>as</sup> defined in <sup>claim 1</sup> ~~claims 1-4~~ comprising the ~~steps of:~~

- a. inoculating a susceptible substrate with the avian reovirus,
- b. propagating the avian reovirus, and
- c. harvesting avian reovirus containing material.

a 11 A method for the preparation of a vaccine ~~for use in the protection of poultry against~~ ~~disease conditions resulting from an avian reovirus infection~~, comprising combining the harvested reoviruses obtained by the method according to claim 10, ~~if desired after~~ ~~inactivation of the reoviruses~~, with a pharmaceutical acceptable carrier or diluent.

a 12 A method for controlling disease conditions resulting from an avian reovirus infection in poultry, comprising administering the vaccine according to <sup>to claim 5</sup> ~~claims 1-4~~ to the birds.

Add  
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